



Air Quality
ENVIRONMENTAL QUALITY

Small Source Air Quality Permit

What Is the purpose of this permit?

To ensure that the facility will be properly operated and maintained at all times in a manner that will effect an overall reduction in air pollution.

What facilities are issued small source permits?

As shown below, small source permits have uncontrolled potential criteria pollutant emissions of less than 100 tons per year (tpy) and potential emissions of hazardous air pollutants (HAPs) less than 10 tpy of a single HAP and less than 25 tons of the total of all HAPs per year.

Pollution control equipment or other limitations to reduce emissions may be required by the air quality permit.

The emissions profile of the Northampton Compressor Station as a small source includes:

CRITERIA POLLUTANT	PERMIT POTENTIAL / EXPECTED ACTUAL EMISSIONS (TPY)
TSP	18.3
PM 10	18.3
PM 2.5	18.3
SO ₂	3.10
NO _x	19.6
VOC	22.1
CO	33.0

TSP: Total Suspended Particulate includes particles 100 microns (about the width of a human hair) in diameter and smaller.

PM₁₀: Coarse particulate includes particles 10 microns in diameter and smaller.

PM_{2.5}: Fine particulate includes particles 2.5 microns in diameter and smaller.

SO₂: Sulfur Dioxide

NO_x: Nitrogen Oxides

VOC: Volatile Organic Compounds (chemicals that contain carbon and easily become vapors or gases)

NCDEQ Division of Air Quality Northampton Compressor Station

ATLANTIC COAST PIPELINE PROPOSED LOCATION OF COMPRESSOR STATION 3 NORTHAMPTON COUNTY



Proposed Project

Northampton Compressor Station (NCS) has applied for an air quality permit to construct and operate a compressor station, south of the Virginia/North Carolina border, and east of U.S. Hwy 301 in Northampton County. The approximate location would be along U.S. Hwy 301 at milepost 300.1 (see other side for a map of the proposed location). NCS would consist of the following parts: three gas-driven compressor units and associated air emission control equipment, intake air and moisture removal filters, gas coolers, exhaust and noise silencers, tanks, heaters, and emergency generators. Construction includes two new compressor buildings and reserve office space, drum storage, and storage buildings. The construction footprint would comprise 45 total acres, with operational facilities on 30 acres.

The air permit provides an outline of key requirements of the state and federal air quality rules and regulations. The specific conditions and limitations prescribe monitoring, recordkeeping and reporting requirements that are meant to ensure compliance with these rules and regulations.



Atlantic Coast Pipeline Application

On Sept. 15, 2015, an application for the Northampton Compressor Station was received by the N.C. Department of Environmental Quality, Division of Air Quality, for the operation of three compressor turbines, one emergency generator, storage tanks, and additional technology to manage potential air pollution impacts.

On July 21, 2017, an updated application was received to increase the size of the emergency generator, add a small emergency generator, revise the fugitive emission calculation (to account for unintended release), and change the size of the storage tanks.



How to submit comments

The public is invited to submit comments by 5 p.m. Nov. 20, 2017.

Email your comments to: PublicComments@ncdenr.gov
(include ACP/DAQ in the subject line)

or

Mail your comments to:
NCDEQ Division of Air Quality
Attn: Charles McEachern
3900 Barrett Drive
Raleigh, NC 27609



Additional information is available online

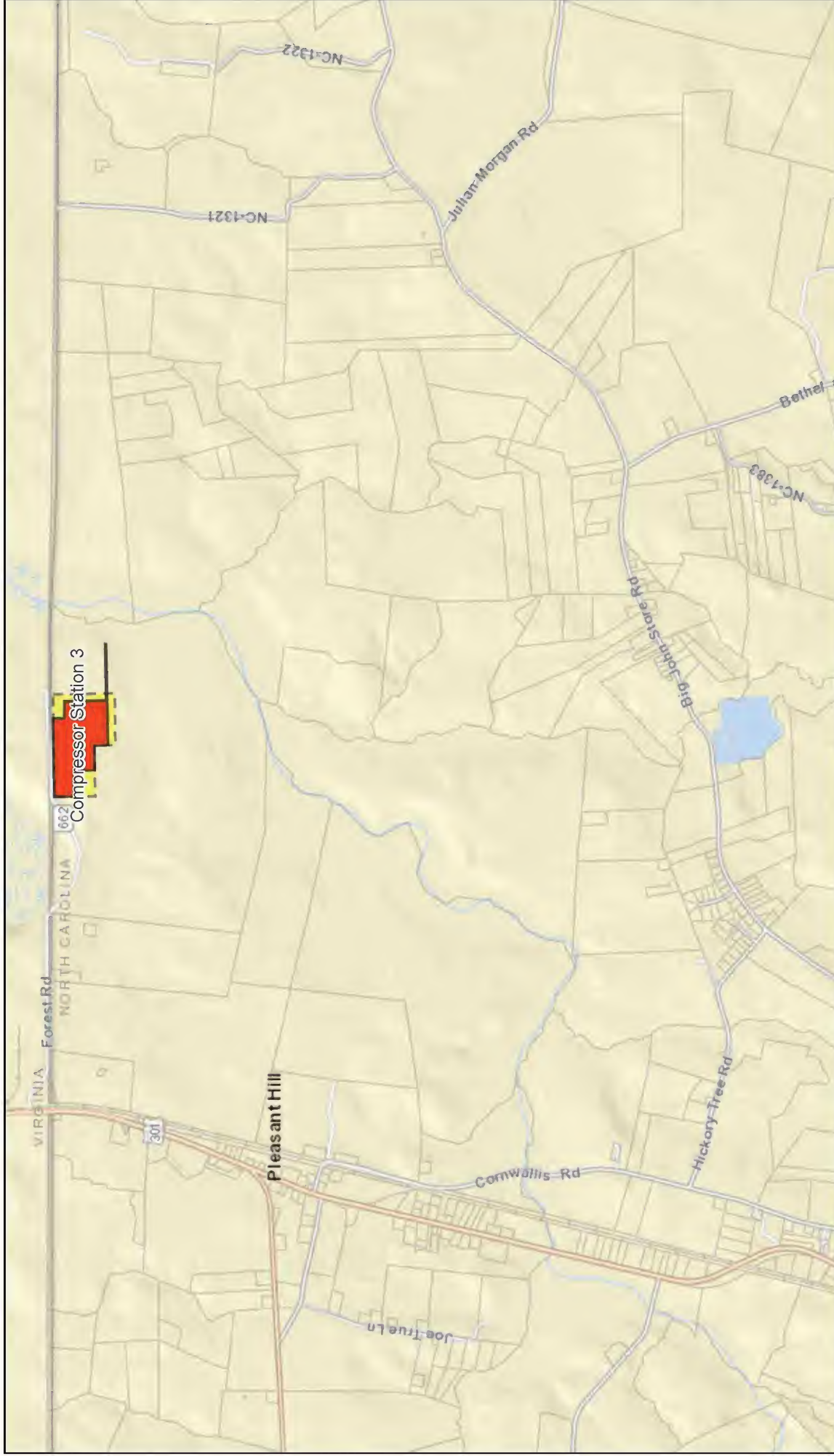
<https://deq.nc.gov/about/divisions/energy-mineral-land-resources/acp>

NC DEPARTMENT OF ENVIRONMENTAL QUALITY
Division of Air Quality - Permitting Section

<http://deq.nc.gov/>


<https://deq.nc.gov/about/divisions/air-quality/air-quality-permitting>

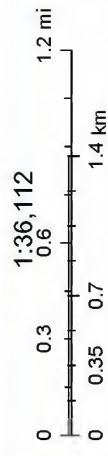
Northampton County Compressor Station



October 13, 2017

 Compressor Station Facility  Property Boundaries

 Temporary Workspace



Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community
NC Counties, NCCGIA, NC OneMap, US EPA